

# Nathalie Redon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/93543/publications.pdf>

Version: 2024-02-01

25  
papers

774  
citations

623734

14  
h-index

677142

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the Performance of Low-Cost Sensors for Air Quality Monitoring. Atmosphere, 2019, 10, 506.	2.3	227
2	Nanostructured polyaniline-based composites for ppb range ammonia sensing. Sensors and Actuators B: Chemical, 2011, 160, 1394-1403.	7.8	93
3	Polyaniline nanocomposites based sensor array for breath ammonia analysis. Portable e-nose approach to non-invasive diagnosis of chronic kidney disease. Sensors and Actuators B: Chemical, 2018, 274, 616-626.	7.8	72
4	Ultra sensitive ammonia sensors based on microwave synthesized nanofibrillar polyanilines. Sensors and Actuators B: Chemical, 2014, 203, 626-634.	7.8	45
5	Ammonia/amine electronic gas sensors based on hybrid polyaniline-TiO <sub>2</sub> nanocomposites. The effects of titania and the surface active doping acid. RSC Advances, 2015, 5, 20218-20226.	3.6	45
6	Performances and limitations of electronic gas sensors to investigate an indoor air quality event. Building and Environment, 2016, 107, 19-28.	6.9	42
7	Hydrogen Sulfide Detection by Sensors Based on Conductive Polymers: A Review. Frontiers in Materials, 2020, 7, .	2.4	39
8	Development of a normalized multi-sensors system for low cost on-line atmospheric pollution detection. Sensors and Actuators B: Chemical, 2017, 241, 1235-1243.	7.8	36
9	Thermomechanical behaviors and dielectric properties of polyaniline-doped para-toluene sulfonic acid/epoxy resin composites. Polymers for Advanced Technologies, 2012, 23, 1194-1201.	3.2	31
10	Conducting polyaniline composite: From syntheses in waterborne systems to chemical sensor devices. Polymer, 2010, 51, 1716-1722.	3.8	29
11	Facile Fabrication of an Ammonia-Gas Sensor Using Electrochemically Synthesised Polyaniline on Commercial Screen-Printed Three-Electrode Systems. Sensors, 2021, 21, 169.	3.8	22
12	Development of a Polyaniline/Fluoral-P Chemical Sensor for Gaseous Formaldehyde Detection. IEEE Sensors Journal, 2012, 12, 1300-1306.	4.7	18
13	Identification of indoor air quality events using a K-means clustering analysis of gas sensors data. Sensors and Actuators B: Chemical, 2019, 297, 126709.	7.8	18
14	Enhanced microwave absorbing properties of lightweight films based on polyaniline/aliphatic polyurethane composites in X band. Journal of Applied Polymer Science, 2014, 131, .	2.6	17
15	Effect of Humidity on Ammonia Gas Sensitivity of Intrinsically Conducting Composite Films. Macromolecular Symposia, 2008, 268, 9-13.	0.7	14
16	The PANI-DBSA content and dispersing solvent as influencing parameters in sensing performances of TiO <sub>2</sub> /PANI-DBSA hybrid nanocomposites to ammonia. RSC Advances, 2016, 6, 82625-82634.	3.6	11
17	Enhanced Metrological Performances of Organic Electronic Ammonia Sensors Using Electro Spinning Techniques. Procedia Engineering, 2014, 87, 204-207.	1.2	3
18	Hybrid and Bio Nanocomposites for Ultrasensitive Ammonia Sensors. Proceedings (mdpi), 2017, 1, .	0.2	3

#	ARTICLE	IF	CITATIONS
19	Polyaniline Composites for Chemical Sensors and Release Devices. <i>Sensor Letters</i> , 2008, 6, 548-557.	0.4	3
20	Conductive Polymer Composites for Hydrogen Sulphide Sensors Working at Sub-PPM Level and Room Temperature. <i>Sensors</i> , 2021, 21, 6529.	3.8	3
21	Chemical Mass Balance Model Applied to an Olfactory Annoyance Problematic. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12118-12125.	10.0	2
22	Electrical properties of polyaniline-cobalt nanocomposites. <i>European Journal of Electrical Engineering</i> , 2012, 15, 261-272.	0.3	1
23	Identification Of The Different Sources Responsible For The Olfactory Annoyance, Using An E-Nose. , 2011, , .		0
24	Unsupervised K-means learning applied to the investigation of indoor air quality events with electronic gas sensors networks. , 2017, , .		0
25	Polyaniline Nanocomposites for Hydrogen Sulfide Detection at ppb Level. <i>Engineering Proceedings</i> , 2021, 6, .	0.4	0